

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method for processing object property changes, the method comprising:
obtaining a request to process at least one object property change, the request corresponding to a software application object;
initiating a property change defer cycle;
processing the at least one object property change;
determining the end of the property change defer cycle; and
implementing the processed at least one object property change upon the determination of the end of the property change defer cycle.
2. The method as recited in Claim 1, wherein the request to process at least one object property change is transmitted by the software application.
3. The method as recited in Claim 1, wherein the request to process at least one object property change includes obtaining a request to process multiple property changes.
4. The method as recited in Claim 1, wherein initiating the property change defer cycle includes incrementing a property change defer cycle counter.
5. The method as recited in Claim 1, wherein processing the at least one object property change includes associating a property change group category to the at least one object property change.
6. The method as recited in Claim 1, wherein processing the at least one object property change includes generating a property change group memory array, the property change group memory array including array elements corresponding to an object associated with the property change request.

7. The method as recited in Claim 6, wherein processing the at least one object property change includes populating the property change group memory array with the property change group category associated with the at least one object property change.

8. The method as recited in Claim 6, wherein processing the at least one object property change includes populating the property change group memory array with every object property change obtained in the property change request.

9. The method as recited in Claim 1, wherein processing the at least one object property change includes identifying additional property changes corresponding to the implementation of the property changes obtained in the property change request.

10. The method as recited in Claim 9 further comprising, prior to determining the end of the property change defer cycle:

initiating a second property change defer cycle;

processing any additional property changes corresponding to the implementation of the property changes obtained in the property change request; and

determining the end of the second property change defer cycle.

11. The method as recited in Claim 1 further comprising prior to determining the end of the property change defer cycle:

determining whether additional software application work is required;

if additional software application work is required, initiating a second property change defer cycle;

processing any additional property changes corresponding to the implementation of the additional software application work; and

determining the end of the second property change defer cycle

12. The method as recited in Claim 1, wherein determining the end of the property change defer cycle includes obtaining a request from the software application to terminate the property change defer cycle.

13. The method as recited in Claim 1, wherein determining the end of the property change defer cycle includes the expiration of a defined time period.

14. The method as recited in Claim 1; wherein the request to process at least one object property change includes a request to process at least one software application user interface object.

15. A computer-readable medium having computer-executable instructions for performing the method recited in Claim 1..

16. A computer system having a processor, a memory and an operating environment, the computer system operable for performing the method recited in Claim 1.

17. In a computer system having a display, a memory including at least one software application, and an operating environment, a method for processing display object property changes, the method comprising:

obtaining a request from the software application to process at least one object property change corresponding to a display object associated with the software application;

initiating a first property change defer cycle;

associating a property change group category to the at least one object property change;

identifying additional display object property changes corresponding to the implementation of the at least one object property change;

initiating a second property change defer cycle;

processing any additional property changes corresponding to the implementation of the at least one object property change;

determining the end of the second property change defer cycle;

determining the end of the first property change defer cycle; and

implementing the processed property changes upon the determination of the end of the first property change defer cycle.

18. The method as recited in Claim 17, wherein the request to process at least one object property change corresponding to a display object includes obtaining a request to process multiple property changes corresponding to a display object.

19. The method as recited in Claim 17, wherein the request to process at least one object property change corresponding to a display object includes obtaining a request to process multiple property changes corresponding to multiple display objects.

20. The method as recited in Claim 17, wherein initiating the property change defer cycle includes incrementing a property change defer cycle counter.

21. The method as recited in Claim 17 further comprising:

generating a property change group memory array, the property change group memory array including array elements corresponding to an object associated with the property change request.

populating the property change group memory array with the property change group category associated with the at least one object property change.

22. The method as recited in Claim 21, wherein populating the property change group memory array includes populating the property change group memory array with every object property change obtained in the property change request.

23. The method as recited in Claim 17 further comprising prior to determining the end of the property change defer cycle:

determining whether additional software application work is required;

if additional software application work is required, initiating a third property change defer cycle;

processing any additional property changes corresponding to the implementation of the additional software application work; and

determining the end of the third property change defer cycle

24. The method as recited in Claim 17, wherein determining the end of the property change defer cycle includes obtaining a request from the software application to terminate the property change defer cycle.

25. The method as recited in Claim 17, wherein determining the end of the property change defer cycle includes the expiration of a defined time period.

26. The method as recited in Claim 17, wherein the request to process at least one object property change corresponding to a display object includes a request to process at least one software application user interface display object.

27. A computer-readable medium having computer-executable instructions for performing the method recited in Claim 17.

28. A computer system having a processor, a memory and an operating environment, the computer system operable for performing the method recited in Claim 17.

29. A method for processing object property changes, the method comprising:
obtaining a request to process at least one object property change, the request corresponding to a software application object;
initiating a first property change defer cycle;
generating a property change group memory array, the property change group memory array including array elements corresponding to an object associated with the property change request.

populating the property change group memory array with a property change group category associated with the at least one object property change;

for each memory array element, identifying additional display object property changes corresponding to the implementation of the at least one object property change;

initiating a second property change defer cycle;

processing any additional property changes corresponding to the implementation of the at least one object property change;

determining the end of the second property change defer cycle
determining the end of the first property change defer cycle; and
implementing the processed at least one object property change upon the determination of the end of the first property change defer cycle.

30. The method as recited in Claim 29, wherein the request to process at least one object property change is transmitted by the software application.

31. The method as recited in Claim 29, wherein the request to process at least one object property change includes obtaining a request to process multiple property changes.

32. The method as recited in Claim 29, wherein initiating the property change defer cycle includes incrementing a property change defer cycle counter.

33. The method as recited in Claim 29 further comprising prior to determining the end of the property change defer cycle:

determining whether additional software application work is required;
if additional software application work is required, initiating a third property change defer cycle;
processing any additional property changes corresponding to the implementation of the additional software application work; and
determining the end of the third property change defer cycle

34. The method as recited in Claim 29, wherein determining the end of the property change defer cycle includes obtaining a request from the software application to terminate the property change defer cycle.

35. The method as recited in Claim 29, wherein determining the end of the property change defer cycle includes the expiration of a defined time period.

36. The method as recited in Claim 29, wherein the request to process at least one object property change includes a request to process at least one software application user interface object.

37. A computer-readable medium having computer-executable instructions for performing the method recited in Claim 29.

38. A computer system having a processor, a memory and an operating environment, the computer system operable for performing the method recited in Claim 29.